

AMENDMENTS TO THE CLAIMS

The following listing of claims shown in marked-up format with strikethrough and/or double brackets indicating deletions and underlining indicating additions supersedes all prior versions and listings of claims in connection with this application.

LISTING OF CLAIMS

1. (Currently Amended) A computer-readable medium having a data structure for managing reproduction of still images ~~recorded on the computer-readable medium~~, comprising:

a data area storing ~~at least~~ a first clip stream file and a second clip stream file, the first clip stream file including video data for reproducing ~~at least~~ the still images including a first still image and a second still image[[s]], the second clip stream file including audio data;

a playlist area storing at least one playlist file, the playlist file including mark information and at least one playitem and at least one sub-playitem, the mark information providing presentation information on the ~~first and~~ second still image[[s]] to provide for at least skipping from reproducing the first still image to reproducing the second still image, the playitem indicating an in-point and an out-point of the first clip stream file for reproducing the first and second still images, the sub-playitem indicating an in-point and an out-point of the second clip stream file for reproducing the audio data, the playitem managing the first and the second still images and the sub-playitem managing

the audio data so as to permit independent reproduction of the first and the second still images and the audio data; and

a management area storing at least a first clip information file and a second clip information file[[s]], the first clip information file including [[a]] mapping information between a presentation time and a unit of the first clip stream file, the second clip information file including [[a]] mapping information between a presentation time and a unit of the second clip stream file, the first and second clip information files ~~being corresponded~~ corresponding to the first and second clip stream files, respectively.

2. (Previously Presented) The computer-readable medium of claim 1, wherein the mark information includes a first mark associated with the first still image and a second mark associated with the second still image, the first and second marks providing the presentation information on the first and second still images, respectively.

3. (Currently Amended) The computer-readable medium of claim 2, wherein the first mark includes a first indicator indicating ~~at least a stream of data~~ a playitem where the first mark is placed₁[[;]] and wherein the second mark includes a second indicator indicating ~~at least a stream of data~~ a playitem where the second mark is placed.

4. (Currently Amended) The computer-readable medium of claim 2, wherein the first mark includes a first indicator indicating a point in ~~a stream of data~~ a playitem where the first mark is placed[[:;]] and wherein the second mark includes a second indicator indicating a point in ~~a stream of data~~ a playitem where the second mark is placed.

5. (Previously Presented) The computer-readable medium of claim 2, wherein the first mark includes a type indicator indicating a type of the first mark, and the second mark includes a type indicator indicating a type of the second mark.

6. (Previously Presented) The computer-readable medium of claim 2, wherein the mark information indicates a number of marks in the mark information.

7. (Previously Presented) The computer-readable medium of claim 2, wherein the first mark points to the first still image and the second mark points to the second still image.

8-11. (Cancelled)

12. (Currently Amended) A method of reproducing a data structure for managing reproduction of still images recorded on a computer-readable medium, comprising:

reproducing ~~at least~~ a first clip stream file and a second clip stream file, the first clip stream file including video data for reproducing ~~at least~~ the still images including a first still image and a second still image[[s]], the second clip stream file including audio data;

reproducing at least one playlist file, the playlist file including mark information and at least one playitem and at least one sub-playitem, the mark information providing presentation information on the ~~first and~~ second still image[[s]] to provide for at least skipping from reproducing the first still image to reproducing the second still image, the playitem indicating an in-point and an out-point of the first clip stream file for reproducing the first and second still images, the sub-playitem indicating an in-point and an out-point of the second clip stream file for reproducing the audio data, the playitem managing the first and the second still images and the sub-playitem managing the audio data so as to permit independent reproduction of the first and the second still images and the audio data; and

reproducing at least a first clip information file and a second clip information file[[s]], the first clip information file including [[a]] mapping information between a presentation time and a unit of the first clip stream file, the second clip information file including [[a]] mapping information between a presentation time and a unit of the second clip stream file, the first and second

clip information files ~~being corresponded~~ corresponding to the first and second clip stream files, respectively.

13. (Currently Amended) An apparatus for reproducing a data structure for managing reproduction of still images recorded on ~~the~~ a computer-readable medium, comprising:

a pick up configured to reproduce data recorded on the computer-readable medium; and

a controller configured to control the pick up to reproduce ~~at least a~~ first clip stream file and a second clip stream file, the first clip stream file including video data for reproducing ~~at least~~ the still images including a first still image and a second still image[[s]], the second clip stream file including audio data; ~~and,~~

the controller configured to control the pick up to reproduce at least one playlist file, the playlist file including mark information and at least one playitem and at least one sub-playitem, the mark information providing presentation information on the ~~first and~~ second still image[[s]] to provide for at least skipping from reproducing the first still image to reproducing the second still image, the playitem indicating an in-point and an out-point of the first clip stream file for reproducing the first and second still images, the sub-playitem indicating an in-point and an out-point of the second clip stream file for reproducing the audio data, the playitem managing the first and the second still images and the sub-playitem managing the audio data so as to permit

independent reproduction of the first and the second still images and the audio data, and

the controller configured to control the pick up to reproduce a ~~the~~ first clip information file including [[a]] mapping information between a presentation time and a unit of the first clip stream file, and ~~the~~ a second clip information file including [[a]] mapping information between a presentation time and a unit of the second clip stream file, the first and second clip information files ~~being corresponded~~ corresponding to the first and second clip stream files, respectively.

14. (Currently Amended) A method of recording a data structure for managing reproduction of ~~at least~~ still images ~~recorded~~ on a computer-readable medium, comprising:

recording ~~at least~~ a first clip stream file and a second clip stream file, the first clip stream file including video data for reproducing ~~at least~~ the still images including a first still image and a second still image[[s]], the second clip stream file including audio data;

recording at least one playlist file ~~in a playlist area on the computer-readable medium~~, the playlist file including mark information and at least one playitem and at least one sub-playitem, the mark information providing presentation information on the ~~first and~~ second still image[[s]] to provide for at least skipping from reproducing the first still image to reproducing the second still image, the playitem indicating an in-point and an out-point of the first clip stream file for reproducing the first and the second still images, the sub-

playitem indicating an in-point and an out-point of the second clip stream file for reproducing the audio data, the playitem managing the first and the second still images and the sub-playitem managing the audio data so as to permit independent reproduction of the first and the second still images and the audio data; and

recording at least a first clip information file and a second clip information file[[s]], the first clip information file including [[a]] mapping information between a presentation time and a unit of the first clip stream file, the second clip information file including [[a]] mapping information between a presentation time and a unit of the second clip stream file, the first and second clip information files ~~being corresponded~~ corresponding to the first and second clip stream files, respectively.

15. (Currently Amended) An apparatus for recording a data structure for managing reproduction of ~~at least~~ still images on a computer-readable medium, comprising:

a pick up configured to record data on the computer-readable medium;
and

a controller configured to control the pick up to record ~~at least~~ a first clip stream file and a second clip stream file, the first clip stream file including video data for reproducing ~~at least~~ the still images including a first still image and a second still image[[s]], the second clip stream file including audio data,

the controller configured to control the pick up to record at least one playlist file ~~in a playlist area on the computer-readable medium~~, the playlist file

including mark information and at least one playitem and at least one sub-playitem, the mark information providing presentation information on the ~~first~~ and second still image[[s]] to provide for at least skipping from reproducing the first still image to reproducing the second still image, the playitem indicating an in-point and an out-point of the first clip stream file for reproducing the first and second still images, the sub-playitem indicating an in-point and an out-point of the second clip stream file for reproducing the audio data, the playitem managing the first and the second still images and the sub-playitem managing the audio data so as to permit independent reproduction of the first and the second still images and the audio data, and

the controller configured to control the pick up to record a ~~the~~ first clip information file including [[a]] mapping information between a presentation time and a unit of the first clip stream file, and ~~the~~ a second clip information file including [[a]] mapping information between a presentation time and a unit of the second clip stream file, the first and second clip information files ~~being corresponded~~ corresponding to the first and second clip stream files, respectively.

16. (Previously Presented) The method of claim 12, wherein the mark information includes a first mark associated with the first image and a second mark associated with the second image, the first and second marks providing the presentation information on the first and second images, respectively.

17. (Currently Amended) The method of claim 16, wherein the first mark includes a first indicator indicating ~~at least a stream of data~~ a playitem where the first mark is placed,[[;]] and wherein the second mark includes a second indicator indicating ~~at least a stream of data~~ a playitem where the second mark is placed.

18. (Currently Amended) The method of claim 16, wherein the first mark includes a first indicator indicating a point in ~~a stream of data~~ a playitem where the first mark is placed[[;]] and wherein the second mark includes a second indicator indicating a point in ~~a stream of data~~ a playitem where the second mark is placed.

19. (Previously Presented) The method of claim 16, wherein the first mark includes a type indicator indicating a type of the first mark, and the second mark includes a type indicator indicating a type of the second mark.

20. (Previously Presented) The method of claim 16, wherein the mark information indicates a number of marks in the mark information.

21. (Previously Presented) The method of claim 16, wherein the first mark points to the first still image and the second mark points to the second still image.

22. (Previously Presented) The apparatus of claim 13, wherein the mark information includes a first mark associated with the first image and a second mark associated with the second image, the first and second marks providing the presentation information on the first and second images, respectively.

23. (Currently Amended) The apparatus of claim 22, wherein the first mark includes a first indicator indicating ~~at least a stream of data~~ a playitem where the first mark is placed, ~~[[;]]~~ and wherein the second mark includes a second indicator indicating ~~at least a stream of data~~ a playitem where the second mark is placed.

24. (Currently Amended) The apparatus of claim 22, wherein the first mark includes a first indicator indicating a point in ~~a stream of data~~ a playitem where the first mark is placed ~~[[;]]~~ and wherein the second mark includes a second indicator indicating a point in ~~a stream of data~~ a playitem where the second mark is placed.

25. (Previously Presented) The apparatus of claim 22, wherein the first mark includes a type indicator indicating a type of the first mark, and the second mark includes a type indicator indicating a type of the second mark.

26. (Previously Presented) The apparatus of claim 22, wherein the mark information indicates a number of marks in the mark information.

27. (Previously Presented) The apparatus of claim 22, wherein the first mark points to the first still image and the second mark points to the second still image.

28. (Previously Presented) The method of claim 14, wherein the mark information includes a first mark associated with the first image and a second mark associated with the second image, the first and second marks providing the presentation information on the first and second images, respectively.

29. (Currently Amended) The method of claim 28, wherein the first mark includes a first indicator indicating ~~at least a stream of data~~ a playitem where the first mark is placed, ~~[[;]]~~ and wherein the second mark includes a second indicator indicating ~~at least a stream of data~~ a playitem where the second mark is placed.

30. (Currently Amended) The method of claim 28, wherein the first mark includes a first indicator indicating a point in ~~a stream of data~~ a playitem where the first mark is placed ~~[[;]]~~ and wherein the second mark includes a second indicator indicating a point in ~~a stream of data~~ a playitem where the second mark is placed.

31. (Previously Presented) The method of claim 28, wherein the first mark includes a type indicator indicating a type of the first mark, and the second mark includes a type indicator indicating a type of the second mark.

32. (Previously Presented) The method of claim 28, wherein the mark information indicates a number of marks in the mark information.

33. (Previously Presented) The method of claim 28, wherein the first mark points to the first still image and the second mark points to the second still image.

34. (Previously Presented) The apparatus of claim 15, wherein the mark information includes a first mark associated with the first image and a second mark associated with the second image, the first and second marks providing the presentation information on the first and second images, respectively.

35. (Currently Amended) The apparatus of claim 34, wherein the first mark includes a first indicator indicating ~~at least a stream of data~~ a playitem where the first mark is placed₁[[;]] and wherein the second mark includes a second indicator indicating ~~at least a stream of data~~ a playitem where the second mark is placed.

36. (Currently Amended) The apparatus of claim 34, wherein the first mark includes a first indicator indicating a point in ~~a stream of data~~ a playitem where the first mark is placed[[;]] and wherein the second mark includes a second indicator indicating a point in ~~a stream of data~~ a playitem where the second mark is placed.

37. (Previously Presented) The apparatus of claim 34, wherein the first mark includes a type indicator indicating a type of the first mark, and the second mark includes a type indicator indicating a type of the second mark.

38. (Previously Presented) The apparatus of claim 34, wherein the mark information indicates a number of marks in the mark information.

39. (Previously Presented) The apparatus of claim 34, wherein the first mark points to the first still image and the second mark points to the second still image.

*** * * END OF CLAIM LISTING * * ***